## INTERNATIONAL SEARCH REPORT

	INTERNATIONAL SEARCH REPORT	PCT/IB2004/001977
L CLASSI	FICATION OF SUBJECT MATTER H01L29/78 H01L29/423	
ccording to	International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS	SEARCHED	
Minimum do IPC 7	H01L	
Documenta	ion searched other than minimum documentation to the extent that such documents are	included in the fields searched
Electronic d	ata base consulted during the international search (name of data base and, where prac	tical, search terms used)
FPO-In	ternal, WPI Data, PAJ	
	cernar, wit baca, rao	<u>.</u>
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
	Citation of document, with indication, where appropriate, of the relevant passages	. Relevant to daim No.
Category *	Oration of Goodness, with indication, where appropriate, of the relevant passages	, relevant to diam'tto.
X	WO 99/43029 A (KRAUTSCHNEIDER WOLFGANG; HOFMANN FRANZ (DE); SIEMENS AG (DE);	1-5,10
Υ	WILLER) 26 August 1999 (1999-08-26)	
T	abstract; figures 1-4 page 6, line 31 - page 11, line 34	6,7
	page 19, lines 19-24; claims 1-11	
	page 15, 111165 15 24, Ctatillo 1 11	
X	EP 0 735 589 A (TOKYO SHIBAURA ELECTRIC	1,3,5,8,
	CO) 2 October 1996 (1996-10-02)	10
	column 9, line 45 - column 14, line 41;	•
	figures 8a,8b,53b,54,55	
	column 35, line 46 - column 38, line 29	
X	US 5 142 640 A (IWAMATSU SEIICHI) 25 August 1992 (1992-08-25)	1-3,9,10
	the whole document	
	· · /	
	-/	
•		
	•	
X Furt	ner documents are listed in the continuation of box C.  Patent fam	nily members are listed in annex.
<ul> <li>Special ca</li> </ul>	tegories of cited documents:  "T" later document	published after the International filing date
consid	or priority date on the art which is not cited to under invention	e and not in conflict with the application but stand the principle or theory underlying the
"E" earlier of filing of	ate cannot be cor	articular relevance; the claimed invention is idered novel or cannot be considered to
		entive step when the document is taken alone

Patent family members are used in annex.			
"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the			
invention			
'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to			
involve an inventive step when the document is taken alone			
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the			
document is combined with one or more other such docu- ments, such combination being obvious to a person skilled			
in the art.			
*&* document member of the same patent family			
Date of mailing of the international search report			
. 08/02/2005			
Authorized officer			
Ley, M			

# BEST AVAILABLE COP

### INTERNATIONAL SEARCH REPORT

PCT/IB2004/001977

		PC1/162004/			
C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y A	US 2001/045599 A1 (HUETING RAYMOND J.E ET AL) 29 November 2001 (2001-11-29) paragraphs '0009! - '0035!; figures 1,6-8		6,7 1-5,8-10		
A	TSENGYOU SYAU ET AL: "COMPARISON OF ULTRALOW SPECIFIC ON-RESISTANCE UMOSFET STRUCTURES: THE ACCUFET, EXTFET, INVFET, AND CONVENTIONAL UMOSFET'S" TRANSACTIONS OF THE IRE PROFESSIONAL GROUP ON ELECTRON DEVICES, IEEE INC. NEW YORK,		1-10		
	US, vol. 41, no. 5, 1 May 1994 (1994-05-01), pages 800-808, XP000483878 cited in the application the whole document				
	•				
-					
		•	•		
			•		

## SECT AVAILABLE COP

### INTERNATIONAL SEARCH REPORT

PCT/IB2004/001977

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9943029	Α	26-08-1999	WO	9943029 /	A1	26-08-1999
			EP	1060518 /	A1	20-12-2000
			TW	442949	В	23-06-2001
EP 0735589	Α	02-10-1996	CN	1149203 /	A ,C	07-05-1997
			EP	0735589 /	A2	02-10-1996
			JP	8330601 /	Ą	13-12-1996
			KR	244671 E	B1	15-02-2000
			US	5828101 /	A	27-10-1998
US 5142640	Α	25-08-1992	JP	1304779	 A	08-12-1989
			JP	2023667 <i>F</i>	A	25-01-1990
			JP	2023668 <i>I</i>	A	25-01-1990
			JP	2780175	B2	30-07-1998
			JP	2023669 <i>I</i>	4	25-01-1990
			JP	2023670 A	Ą	25-01-1990
_			KR	173111 6	B1	01-02-1999
US 2001045599	A1	29-11-2001	WO	0191190 A	41	29-11-2001
			EP	1290735 A	41	12-03-2003
			JP	2003534666 1	T	18-11-2003